

## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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SECURITY INFORMATION

50X1-HUM

COUNTRY Bulgaria

REPORT

SUBJECT Sofia Radio Station No. 4

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REQUIREMENT

PLACE ACQUIRED

REFERENCES 50X1-HUM

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

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1. The Bulgarian radio network is controlled by the Post Office Department and is operated by a radio company whose studios are located near Boris Park in Sofia. Entrance to the studios is carefully restricted, and not even employees of the transmitter stations are permitted to enter.

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2. Sofia Radio Station No. 1, the principal national station is located at Vakarel (N 42-33, E 23-43).

Sofia Radio Station No. 4

3. Sofia Radio Station No. 4 is located approximately 25 kilometers due east of Sofia, two kilometers from Stolnik village (N 42-43, E 23-37), and 100 meters from the main road. The station transmits programs from the Sofia studio on short wave, frequency 49.42 meters. Programs are broadcast in Bulgarian, Serbian, Russian, French, English, German, Turkish, Albanian, and Greek.
4. The station is headed by a director who is assisted by three working teams. Each team has one engineer and four or five technicians which take 24-hour shifts, from 8:00 a.m. to 8:00 a.m. Employees are transported to and from the station in a company bus. The director of the station receives a monthly salary of 1,000 leva, engineers receive 850 leva, and technicians 750 leva.
5. The station is surrounded by a steel wire-netting fence one meter high and is guarded by four or five uniformed police armed with rifles. The main building, two stories high, is new; all equipment was made in the USSR. (See Appendix, page 3, for station location and layout.)
6. On the ground floor are 10 high frequency and radio modulation transformers and four pumps. The transformers range from one "very small" to one 120-kilowatt transformer which can take the station's entire load. The pumps force distilled water

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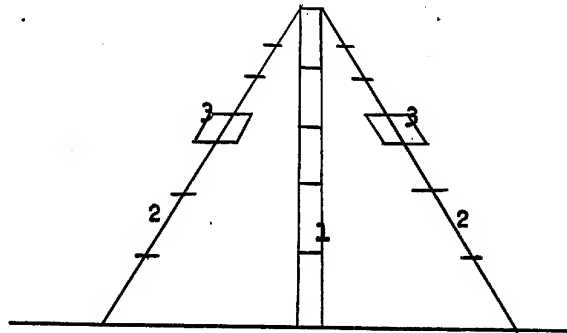
around the radio valves for cooling purposes. The pumps are horizontal, of Soviet manufacture, of unknown capacity, and each is powered by an electric motor. On the upper floor are radio valves from 1.2 to 140 centimeters. Cables and water pipes connect the two floors.

7. A small adjoining building contains a workshop for urgent minor repairs, a spare parts depot, and a rest room with two beds. Members of the team on duty may rest in this room at occasional intervals.
8. The aerial tower is set from 40 to 50 meters away from the main building and is approximately 50 meters high. It is an articulated wooden pole, girded with iron hoops, and supported by four guy wires which each have a vibrator.

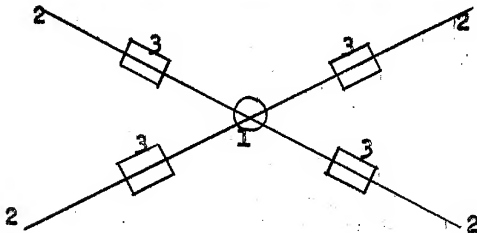
a. Profile of aerial tower:

LEGEND

1. Tower.
2. Guy wires.
3. Vibrator box.



b. Diagram of aerial tower from above:



LEGEND

1. Tower.
2. Guy wires.
3. Vibrator box.

9. Feeder lines from the transmitter to the aerial operate on 10,000 volts. Current comes to the transmitter through a 6,000 volt cable from an unknown high tension source in the neighborhood. The station has no generators, and broadcasts are interrupted at least once a week by power breakdowns.

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10. [redacted] personalities:

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a. Todor Slavov, director of Sofia Station No. 1.

b. Ugarchinski (fnu), director and chief engineer of Studio Sofia

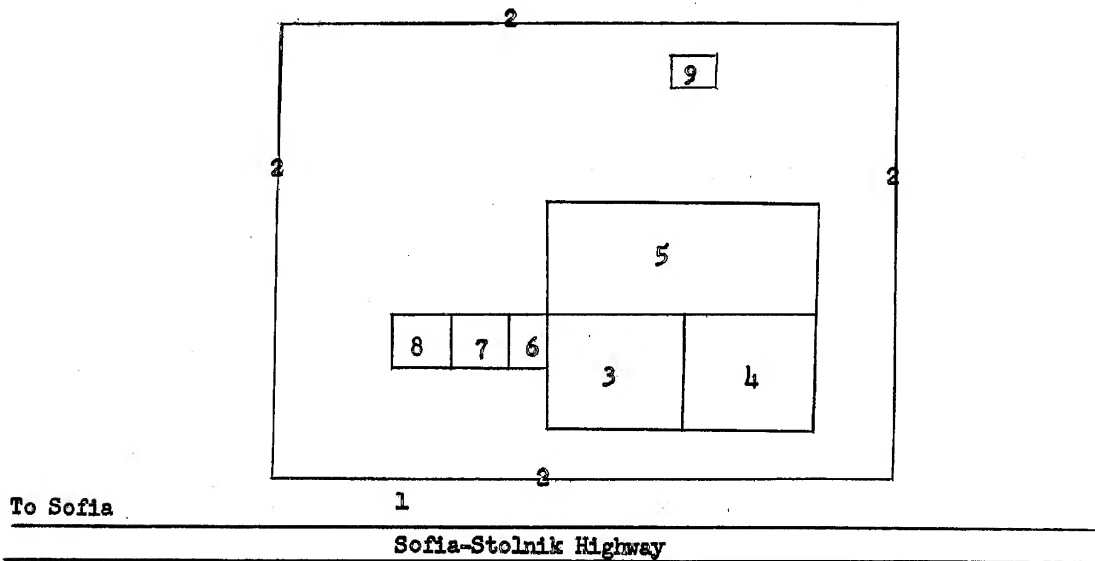
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APPENDIX

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Location and Physical Layout of Sofia Radio Station No. 4LEGEND

1. Stolnik railroad station.
2. Wire fence.
3. Transformer room on ground floor.
4. Pumping installation on ground floor.
5. Radio valve room on upper floor.
6. Repair shop.
7. Spare parts depot.
8. Rest room with two beds.
9. Aerial.

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